

**FILTERED CALCULATION OF SENSOR ARRAY INDUCED PHASE ANGLE
INDEPENDENT FROM DEMODULATION PHASE OFFSET OF PHASE
GENERATED CARRIER**

ABSTRACT

5 A sensor array employs a parameter to induce a time-varying phase angle on an optical signal that comprises a phase generated carrier with a demodulation phase offset. An output signal from the sensor array is filtered to create a filtered signal. The phase angle is calculated independently of the demodulation phase offset through employment of the filtered signal.